

PATENT ABSTRACTS DATABASES

[your invention]

14/5/1 (Item 1 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0014402768 *Drawing available*

WPI Acc no: 2004-592388/200457

XRPX Acc No: N2004-468570

User interface conversion system for use in home network, has a gateway that generates integrated user interface based on neutral user interface and converts generated interface to specific user interface for specific client

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (SMSU)

Inventor: KIM S; KIM S R; LEE G H; LEE M; LEE M S; YI K

Patent Family (3 patents, 2 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20040146057	A1	20040729	US 2003725432	A	20031203	200457	B
KR 2004069118	A	20040804	KR 20035568	A	20030128	200480	E
KR 493890	B	20050610	KR 20035568	A	20030128	200659	E

Priority Applications (no., kind, date): KR 20035568 A 20030128

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20040146057	A1	EN	11	3	
KR 493890	B	KO			Previously issued patent: KR 2004069118

Alerting Abstract US A1

NOVELTY - The system has a control device (300) to control preset devices residing on a **home network**. A gateway has a generator (240) to generate an **integrated user interface** based on neutral user interfaces of the devices at the request of a user (100) for controlling the devices. A user interface conversion unit (250) converts the generated **user interface** into a **specific user interface** suitable for a **specific** client of the user.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- a user interface conversion method supporting devices
- a computer-readable recording medium for recording a computer program code for enabling a computer to provide a service of converting interfaces in supporting various devices.

USE - Used in a **home network** device e.g. personal computer, notebook **computer**, **intelligent** appliance e.g. washing machine, and wireless device e.g. mobile phone or personal digital assistant.

ADVANTAGE - The **integrated user interface** is generated based on the **neutral user interfaces** (UIs) of the devices residing **on the home network** and **converted** into the **specific user interface** so that it can be **supported in the specific** client, thereby supporting a variety of client devices and the user can have access to the devices residing on the **home network** through the **integrated user interface**.

15/5/10 (Item 10 from file: 350)
DIALOG(R)File 350: Derwent WPIX
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0010845869 *Drawing available*

WPI Acc no: 2001-464241/**200150**

XRPX Acc No: N2001-344259

Electronic device control system e.g. for mobile telephones, translates and communicates requests received using generic user interface, to dedicated user interface using user interface message protocol

Patent Assignee: KONINK PHILIPS ELECTRONICS NV (PHIG); US PHILIPS CORP (PHIG)

Inventor: BYRNES N J; POLL L H

Patent Family (9 patents, 23 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20010005865	A1	20010628	US 2000734782	A	20001212	200150	B
WO 2001048600	A2	20010705	WO 2000EP12546	A	20001212	200150	E
KR 2001112280	A	20011220	KR 2001710669	A	20010822	200239	E
JP 2003529974	W	20031007	WO 2000EP12546	A	20001212	200370	E
			JP 2001549186	A	20001212		
EP 1381941	A2	20040121	EP 2000990715	A	20001212	200410	E
			WO 2000EP12546	A	20001212		
CN 1494678	A	20040505	CN 2000806720	A	20001212	200447	E
US 6912579	B2	20050628	US 2000734782	A	20001212	200542	E
CN 1255726	C	20060510	CN 2000806720	A	20001212	200661	E
KR 680050	B1	20070208	WO 2000EP12546	A	20001212	200850	E
			KR 2001710669	A	20010822		

Priority Applications (no., kind, date): GB 199930851 A 19991224; US 2000734782 A 20001212

Patent Details							
Patent Number	Kind	Lang	Pgs	Draw	Filing Notes		
US 20010005865	A1	EN	9	5			
WO 2001048600	A2	EN					
National Designated States,Original	CN JP KR						
Regional Designated States,Original	AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR						
JP 2003529974	W	JA	20		PCT Application	WO 2000EP12546	
					Based on OPI patent	WO 2001048600	
EP 1381941	A2	EN			PCT Application	WO 2000EP12546	
					Based on OPI patent	WO 2001048600	
Regional Designated States,Original	DE FR GB						
KR 680050	B1	KO			PCT Application	WO 2000EP12546	

				Previously issued patent	KR 2001112280
				Based on OPI patent	WO 2001048600

Alerting Abstract US A1

NOVELTY - The translation unit (60) translates requests issued by browser due to user interacting with generic user interface. The translation unit communicates translated requests to dedicated user interface (20) using user interface message protocol. The translation unit translates communication received from the dedicated user interface using dedicated user interface message protocol into notification and passes notification to browser.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- A. Computer readable medium;
- B. Apparatus controlling method

USE - For enabling micro-browsers to be used as user interfaces in mobile telephones, also in remote controls, personal digital assistants, machinery used on factory floor, or household applications such as video recorders, microwave ovens.

ADVANTAGE - The browser based **user interface** need not be **specifically** written for each telephone type, as existing user interface remains hidden under browser.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of mobile telephone control system.

20 User interface

60 Translation unit

15/5/11 (Item 11 from file: 350)
DIALOG(R)File 350: Derwent WPIX
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0010838704 *Drawing available*

WPI Acc no: 2001-456680/200149

XRPX Acc No: N2001-338430

Graphical user interface control method for computer networks involves server storing default interface and differences between client customized interfaces and default, then client interfaces built using default and differences

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: RODRIQUEZ I M

Patent Family (1 patents, 1 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6263346	B1	20010717	US 1998118560	A	19980717	200149	B

Priority Applications (no., kind, date): US 1998118560 A 19980717

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 6263346	B1	EN	16	11	

Alerting Abstract US B1

NOVELTY - Default Graphical User Interface (GUI) stored on server (50). Differences between each client's (53-55) **customized GUI** and the default are then determined and stored. Each client's **customized GUI** is then constructed by the server from default GUI and the stored differences when required.

DESCRIPTION - INDEPENDENT CLAIMS are also included for a computer network using the described method and a stored computer program for implementing the method.

USE - For storing and reconstructing all client **customized Graphical User Interfaces** on the network server.

ADVANTAGE - The method saves server storage space.

DESCRIPTION OF DRAWINGS - The drawing shows block diagram of network.

50 Server

53-55 Clients

15/5/14 (Item 14 from file: 350)
DIALOG(R)File 350: Derwent WPIX
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0009315389 *Drawing available*

WPI Acc no: 1999-246610/**199921**

XRPX Acc No: N1999-183718

Computer-readable memory medium with stored processes providing TWAIN architecture

Patent Assignee: CANON KK (CANO)

Inventor: GRIGSBY K; KESTER K; SCHOOLCRAFT H; STITT E

Patent Family (2 patents, 26 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 911729	A1	19990428	EP 1998307750	A	19980924	199921	B
JP 11316730	A	19991116	JP 1998284463	A	19981006	200005	E

Priority Applications (no., kind, date): US 1997944434 A 19971006

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
EP 911729	A1	EN	35	15	
Regional Designated States,Original	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI				
JP 11316730	A	JA	23		

Alerting Abstract EP A1

NOVELTY - The TWAIN data source architecture provides TWAIN compliance to image acquisition device drivers, and a generic **user interface customizable** in accordance with a selected image acquisition device. An entry point receives TWAIN commands in the form of TWAIN 'triplets', and dispatches commands corresponding to the received triplets. A user interface provides a core graphical user interface, which provides support for a dynamically-loadable device user interface.

DESCRIPTION - INDEPENDENT CLAIMS are included for; computer executed process steps to provide TWAIN data source; a method for controlling an image acquisition device; a computer-readable memory-medium storing instructions for controlling an image acquisition device; an apparatus for controlling an image acquisition device.

USE - Provides upgradable **generic** TWAIN data source having **generic user interface adapted** for **customized** control of image acquisition system e.g. for communication between image processing and image acquisition devices.

ADVANTAGE - Provides TWAIN compliance to image acquisition device drivers and generic **user interface customizable** in accordance with a selected image acquisition device.

DESCRIPTION OF DRAWINGS - The drawing shows a block diagram of a TWAIN-compliant image processing system using a TWAIN data source according to the invention.

15/5/16 (Item 16 from file: 350)
DIALOG(R)File 350: Derwent WPIX
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0008841082 *Drawing available*

WPI Acc no: 1998-387504/**199833**

XRPX Acc No: N1998-302232

Computer system with provision for running programs written for different GUI - includes graphics engine coupled to common graphical user interface, which controls drawing into each displayed window regardless of GUI personality of window in response to translated API calls

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: BORGENDALE K W; HOLLAND I M; LAWRENCE K R; POWELL C V; VERBURG R L

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 5774720	A	19980630	US 1995516578	A	19950818	199833	B

Priority Applications (no., kind, date): US 1995516578 A 19950818

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 5774720	A	EN	10	4	

Alerting Abstract US A

The system (20) comprises a central processing unit which executes at least two of multiple different graphical user interfaces and provides a window on a display (44) for each graphical **user interface**. A **common graphical user interface** receives multiple GUI API calls from application programs. Each of received call associated with a different GUI, is translated into personality neutral graphics API calls. A graphic engine coupled to the **common graphical user interface**, controls the drawings into each of the windows displayed on the display regardless of the GUI personality of the window, in response to the translated calls. A memory stores the application program and **common graphical user interface**.
ADVANTAGE - Facilitates application programs written for different graphical user interfaces together on single desktop. Supports graphics needs of multiple GUI personalities using single graphics engine. Provides personality neutral graphics engine capable of interfacing with application programs written for various graphical programming interfaces.

15/5/17 (Item 17 from file: 350)
DIALOG(R)File 350: Derwent WPIX
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0008816508 *Drawing available*

WPI Acc no: 1998-362000/**199831**

XRPX Acc No: N1998-282652

Multiple GUI application operation system - includes common GUI with personality specific routines each including windowing interfaces receiving API calls for translation and execution by CPU

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: BORGENDALE K W; HOLLAND I M; LAWRENCE K R; POWELL C V; VERBURG R L

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 5767849	A	19980616	US 1995516777	A	19950818	199831	B

Priority Applications (no., kind, date): US 1995516777 A 19950818

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 5767849	A	EN	10	3	

Alerting Abstract US A

The application operation system includes a display and a **common GUI** including numerous personality **specific** routines, each corresponding to a particular type of GUI. Each of the personality **specific GUI** routines includes a windowing interface which receives **GUI specific** API calls from the application programs and translates them into translated API calls which are personality neutral.

An operating system including a personality neutral common event/windowing management server responsive to the translated API calls, controls the creation and destruction of all windows displayed on the display, and maintains Z-order and clipping state information of all the windows displayed on the display.

A memory device stores the application programs, the operating system and the **common graphical user interface**. A CPU executes the applications programs, the operating system and the **common graphical user interface**.

ADVANTAGE - Allows applications written for different GUIs to be executed on single desktop.

15/5/19 (Item 19 from file: 350)
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0008568845 *Drawing available*

WPI Acc no: 1998-103083/**199810**

XRPX Acc No: N1998-082632

Method of porting toolkit of graphical user interface to window-based platform - involves configuring graphical user interface to, during execution of graphical user interface, verify conformance of at least one object in graphical user interface toolkit with behavioural specification

Patent Assignee: SUN MICROSYSTEMS INC (SUNM)

Inventor: CABLE L; CABLE L P G

Patent Family (6 patents, 25 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 822484	A2	19980204	EP 1997305170	A	19970714	199810	B
JP 11003237	A	19990106	JP 1997204333	A	19970730	199911	E
US 5999728	A	19991207	US 1996681917	A	19960730	200004	E
EP 822484	B1	20051109	EP 1997305170	A	19970714	200574	E
DE 69734545	E	20051215	DE 69734545	A	19970714	200582	E
			EP 1997305170	A	19970714		
DE 69734545	T2	20060720	DE 69734545	A	19970714	200652	E
			EP 1997305170	A	19970714		

Priority Applications (no., kind, date): US 1996681917 A 19960730; EP 1997305170 A 19970714

Patent Details						
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
EP 822484	A2	EN	30	5		
Regional Designated States,Original	AL AT BE CH DE DK ES FI FR GB GR IE IT LI LT LU LV MC NL PT RO SE SI					
JP 11003237	A	JA	24			
EP 822484	B1	EN				
Regional Designated States,Original	DE FR GB NL SE					
DE 69734545	E	DE			Application	EP 1997305170
					Based on OPI patent	EP 822484
DE 69734545	T2	DE			Application	EP 1997305170
					Based on OPI patent	EP 822484

Alerting Abstract EP A2

The method involves receiving a native notification of a state change from a window-based platform. The native notification is represented as an abstracted notification during execution of the graphical user interface. The abstracted notification constitutes a behavioural specification of the native notification which is independent of implementations specific to the window-based platform. The graphical user interface is configured to, during execution of the graphical user interface, verify conformance of at least one object in

the graphical user interface toolkit with the behavioural specification. The behavioural specification is defined as a functional signature of a window-based platform event. At least one abstracted notification is registered with at least one object of the toolkit dynamically during runtime execution of the graphical user interface. The abstracted notification is registered with multiple objects of the toolkit dynamically during runtime execution of the graphical user interface toolkit.

ADVANTAGE - Enhances portability of object oriented interface among multiple platform.

24/5/6 (Item 6 from file: 350)
DIALOG(R)File 350: Derwent WPIX
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0013974102 *Drawing available*
WPI Acc no: 2004-154950/200415
XRPX Acc No: N2004-123879

Monitoring method for e.g. personal digital assistant, involves translating received information into corresponding device-independent user interface data, and displaying translated data on client, using user interface

Patent Assignee: MARQUES T (MARQ-I)
Inventor: MARQUES T

Patent Family (1 patents, 1 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20040001095	A1	20040101	US 2002188258	A	20020701	200415	B

Priority Applications (no., kind, date): US 2002188258 A 20020701

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20040001095	A1	EN	20	10	

Alerting Abstract US A1

NOVELTY - The requested information are transmitted from the servers, to a client. The received information are translated into corresponding device-independent user interface data, by the client. The translated data is then displayed on the client, using user interface.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. method for monitoring and controlling device; and
2. system for monitoring and controlling device.

USE - For monitoring operation of devices such as household appliance e.g. television and network appliances e.g. personal digital assistant and mobile phone.

ADVANTAGE - Enables monitoring the operation of the devices, easily.

DESCRIPTION OF DRAWINGS - The figure shows a sample audio control adjustment screen.

24/5/9 (Item 9 from file: 350)
DIALOG(R)File 350: Derwent WPIX
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0012407353 *Drawing available*

WPI Acc no: 2002-351461/**200238**

Related WPI Acc No: 2002-351462; 2003-239023; 2003-456203

XRPX Acc No: N2002-276217

User interface provision method for Internet, involves transmitting address of device connected to 1394 network to remote access device for interacting with 1394 network through Internet

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (SMSU)

Inventor: WANG D; WANG D Y

Patent Family (20 patents, 95 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2002009105	A1	20020131	WO 2001KR1248	A	20010721	200238	B
AU 200176754	A	20020205	AU 200176754	A	20010721	200241	E
EP 1305801	A1	20030502	EP 2001954504	A	20010721	200331	E
			WO 2001KR1248	A	20010721		
KR 2003010746	A	20030205	KR 2002717316	A	20021218	200338	E
KR 2003011096	A	20030206	KR 2002717317	A	20021218	200339	E
CN 1443352	A	20030917	CN 2001813085	A	20010721	200382	E
JP 2004505478	W	20040219	WO 2001KR1248	A	20010721	200414	E
			JP 2002514724	A	20010721		
AU 2001276754	B2	20040708	AU 2001276754	A	20010721	200470	E
KR 453073	B	20041015	WO 2001KR1248	A	20010721	200514	E
			KR 2002717316	A	20021218		
JP 3677268	B2	20050727	WO 2001KR1248	A	20010721	200549	E
			JP 2002514724	A	20010721		
JP 2006185464	A	20060713	JP 2002514725	A	20010721	200648	E
			JP 200660343	A	20060306		
JP 2006190326	A	20060720	JP 2002514725	A	20010721	200648	E
			JP 200660350	A	20060306		
JP 2006209790	A	20060810	JP 2002514725	A	20010721	200654	E
			JP 200660345	A	20060306		
JP 2006209791	A	20060810	JP 2002514725	A	20010721	200654	E
			JP 200660348	A	20060306		
JP 2006216071	A	20060817	JP 2002514725	A	20010721	200655	E
			JP 200660344	A	20060306		
JP 2006216072	A	20060817	JP 2002514725	A	20010721	200655	E
			JP 200660349	A	20060306		
CN 1249949	C	20060405	CN 2001813094	A	20010721	200661	E
CN 1256824	C	20060517	CN 2001813085	A	20010721	200661	E

US 7337217	B2	20080226	US 2000220030	P	20000721	200816	E
			US 2000220032	P	20000721		
			US 2001908905	A	20010719		
JP 2009064452	A	20090326	JP 200660350	A	20010721	200922	E
			JP 2008262229	A	20081008		

Priority Applications (no., kind, date): US 2000220032 P 20000721; US 2000220030 P 20000721; US 2000220030 P 20000721; US 2000220032 P 20000721; US 2001908905 A 20010719

Patent Details						
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
WO 2002009105	A1	EN	208	24		
National Designated States,Original	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW					
Regional Designated States,Original	AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW					
AU 200176754	A	EN			Based on OPI patent	WO 2002009105
EP 1305801	A1	EN			PCT Application	WO 2001KR1248
					Based on OPI patent	WO 2002009105
Regional Designated States,Original	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR					
JP 2004505478	W	JA	331		PCT Application	WO 2001KR1248
					Based on OPI patent	WO 2002009105
AU 2001276754	B2	EN			Previously issued patent	AU 2001276754
					Based on OPI patent	WO 2002009105
KR 453073	B	KO			PCT Application	WO 2001KR1248
					Previously issued patent	KR 2003010746
					Based on OPI patent	WO 2002009105
JP 3677268	B2	JA	122		PCT Application	WO 2001KR1248
					Previously issued patent	JP 2004505478
					Based on OPI patent	WO 2002009105
JP 2006185464	A	JA	116		Division of application	JP 2002514725
JP 2006190326	A	JA	116		Division of application	JP 2002514725
JP 2006209790	A	JA	116		Division of application	JP 2002514725
JP 2006209791	A	JA	116		Division of application	JP 2002514725
JP 2006216071	A	JA	116		Division of application	JP 2002514725
JP 2006216072	A	JA	120		Division of application	JP 2002514725
US 7337217	B2	EN			Related to Provisional	US 2000220030
					Related to Provisional	US 2000220032
JP 2009064452	A	JA	118		Division of application	JP 200660350

Alerting Abstract WO A1

NOVELTY - A remote access device sends a request to a gate device through Internet for accessing the 1394 network. A specified device in the 1394 network acquires information from **several other devices** currently connected to the network and generates the address of the associated device. The gate device transmits the address to the access device which displays user interface for interacting with 1394 network.

DESCRIPTION - An **INDEPENDENT CLAIM** is also included for network system.

USE - For providing user interface in 1394 network including multimedia devices such as PC, VCR, camcorder, DVD, HDTV, peripheral devices, routers, storage devices, electronic devices such as security system, theater equipment, stereo equipment, direct broadcast satellite services (DBSS), digital satellite services (DSS), sprinkler system, lighting system, dishwasher, oven, dryers. Also processing system in automobile to Internet.

ADVANTAGE - Enables controlling devices in one network from another network by generating the address of the device and displaying user interface for interacting with the network.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of network architecture.

24/5/13 (Item 13 from file: 350)
 DIALOG(R)File 350: Derwent WPIX
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0011014896 *Drawing available*

WPI Acc no: 2001-640458/**200174**

XRPX Acc No: N2001-478844

User interface adapting method for mobile device, involves determining interface data set appropriate for current location of user device

Patent Assignee: EDWARD MCDONNELL J T (MCDO-I); HAWKES R J (HAWK-I); HEWLETT-PACKARD CO (HEWP); HEWLETT-PACKARD DEV CO LP (HEWP); I' ANSON C (ANSO-I); WATERS J D (WATE-I); WILCOCK L (WILC-I)

Inventor: EDWARD MCDONNELL J T; HAWKES R J; I A C; I' ANSON C; I' ANSON C; L' ANSON C; MCDONNELL J T E; WATERS J D; WILCOCK L

Patent Family (6 patents, 27 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1139681	A1	20011004	EP 2001301300	A	20010214	200174	B
JP 2001325175	A	20011122	JP 200179328	A	20010319	200202	E
US 20020054150	A1	20020509	US 2001814129	A	20010322	200235	E
EP 1139681	B1	20040428	EP 2001301300	A	20010214	200429	E
DE 60102972	E	20040603	DE 60102972	A	20010214	200436	E
			EP 2001301300	A	20010214		
US 6760046	B2	20040706	US 2001814129	A	20010322	200444	E

Priority Applications (no., kind, date): GB 20007474 A 20000329; EP 2001301300 A 20010214

Patent Details						
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
EP 1139681	A1	EN	20	12		
Regional Designated States,Original	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR					
JP 2001325175	A	JA	18			
EP 1139681	B1	EN				
Regional Designated States,Original	DE FR GB					
DE 60102972	E	DE			Application	EP 2001301300
					Based on OPI patent	EP 1139681

Alerting Abstract EP A1

NOVELTY - An interface specification data for defining interface data sets, is stored. The interface data set appropriate for the current location of a user device is determined and transferred to the user device. The data set is used to implement a device user interface.

USE - For mobile devices having internet connectivity through a mobile radio infrastructure.

ADVANTAGE - Provides user interface such as browser to the user's current information. Thus, improved method to adapt a user interface to the current situation is provided.

24/5/16 (Item 16 from file: 350)
DIALOG(R)File 350: Derwent WPIX
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0010846295 *Drawing available*

WPI Acc no: 2001-464698/**200150**

Related WPI Acc No: 2001-521386; 2001-521387; 2001-521495; 2001-602171; 2001-607076

XRPX Acc No: N2001-344693

Controller user interface provision for network, involves displaying one or more user interfaces on corresponding devices connected to network based on one or more user interface descriptions

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (SMSU)

Inventor: HUMPLEMAN R; WANG D; RICHARD H

Patent Family (14 patents, 90 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2001008150	A1	20010201	WO 2000KR820	A	20000727	200150	B
AU 200063218	A	20010213	AU 200063218	A	20000727	200150	E
EP 1145244	A1	20011017	EP 2000950068	A	20000727	200169	E
			WO 2000KR820	A	20000727		
CN 1322355	A	20011114	CN 2000801995	A	20000727	200217	E
KR 2001085806	A	20010907	KR 2001703373	A	20010315	200218	E
JP 2003505804	W	20030212	WO 2000KR820	A	20000727	200321	E
			JP 2001513157	A	20000727		
CA 2345320	C	20040511	CA 2345320	A	20000727	200432	E
			WO 2000KR820	A	20000727		
KR 646006	B1	20061113	WO 2000KR820	A	20000727	200761	E
			KR 2001703373	A	20010315		
KR 646007	B1	20061113	WO 2000KR822	A	20000727	200761	E
			KR 2001703372	A	20010315		
EP 1145244	B1	20071003	EP 2000950068	A	20000727	200765	E
			WO 2000KR820	A	20000727		
DE 60036604	E	20071115	DE 60036604	A	20000727	200777	E
			EP 2000950068	A	20000727		
			WO 2000KR820	A	20000727		
CN 1324601	C	20070704	CN 2000801995	A	20000727	200803	E
DE 60036604	T2	20080131	DE 60036604	A	20000727	200811	E
			EP 2000950068	A	20000727		
			WO 2000KR820	A	20000727		
US 7610559	B1	20091027	US 1999146101	P	19990727	200970	E
			US 1999149515	P	19990817		
			US 2000592598	A	20000612		

Priority Applications (no., kind, date): US 1999146101 P 19990727; US 1999149515 P 19990817; US 2000592598 A 20000612

Patent Details						
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
WO 2001008150	A1	EN	93	11		
National Designated States,Original	AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW					
Regional Designated States,Original	AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW					
AU 200063218	A	EN			Based on OPI patent	WO 2001008150
EP 1145244	A1	EN			PCT Application	WO 2000KR820
					Based on OPI patent	WO 2001008150
Regional Designated States,Original	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
JP 2003505804	W	JA	86		PCT Application	WO 2000KR820
					Based on OPI patent	WO 2001008150
CA 2345320	C	EN			PCT Application	WO 2000KR820
					Based on OPI patent	WO 2001008150
KR 646006	B1	KO			PCT Application	WO 2000KR820
					Previously issued patent	KR 2001085806
					Based on OPI patent	WO 2001008150
KR 646007	B1	KO			PCT Application	WO 2000KR822
					Previously issued patent	KR 2001085805
					Based on OPI patent	WO 2001008152
EP 1145244	B1	EN			PCT Application	WO 2000KR820
					Based on OPI patent	WO 2001008150
Regional Designated States,Original	DE FR GB					
DE 60036604	E	DE			Application	EP 2000950068
					PCT Application	WO 2000KR820
					Based on OPI patent	EP 1145244
					Based on OPI patent	WO 2001008150
DE 60036604	T2	DE			Application	EP 2000950068
					PCT Application	WO 2000KR820
					Based on OPI patent	EP 1145244
					Based on OPI patent	WO 2001008150
US 7610559	B1	EN			Related to Provisional	US 1999146101
					Related to Provisional	US 1999149515

Alerting Abstract WO A1

NOVELTY - One or more user interfaces are displayed on corresponding devices connected to a network based on one or more user interface descriptions to control each device connected to the network. The user interface description is generated based on the information from the devices connected to the network.

DESCRIPTION - An **INDEPENDENT CLAIM** is also included for a network system.

USE - For **network** e.g. **home network** connected to multimedia devices.

ADVANTAGE - Provides dynamic control and command devices to **home network**. Enables independent generation of **different user** interface representations of each device connected to network. Allows device to show its own icon.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of a **home network**.

NPL DATABASES

20/5/4 (Item 1 from file: 2)
DIALOG(R)File 2: INSPEC
(c) 2009 The IET. All rights reserved.

08320982

Title: EXWeb: remotely operating devices in the home network

Author(s): Yoshida, R.; Inoue, A.; Hiraishi, J.; Shigeno, H.; Matsushita, Y.

Author Affiliation: Matsushita Lab, Keio Univ., Yokohama, Japan

Book Title: Proceedings 2002 IEEE 4th International Workshop on Networked Appliances (Cat. No.02EX525)

Inclusive Page Numbers: 267-74

Publisher: IEEE, Piscataway, NJ

Country of Publication: USA

Publication Date: 2002

Conference Title: Proceedings 2002 IEEE 4th International Workshop on Networked Appliances

Conference Date: 15-16 Jan. 2002

Conference Location: Gaithersburg, MD, USA

Conference Sponsor: Multimedia Commun. Tech. Committee of the IEEE Commun. Soc. U.S. Dept. Commerce Technol. Admin. NIST

Editor(s): Mink, A.

ISBN: 0 7803 7259 X

Item Identifier (DOI): [10.1109/IWNA.2001.980875](https://doi.org/10.1109/IWNA.2001.980875)

Number of Pages: viii+284

Language: English

Document Type: Conference Paper (PA)

Treatment: Application (A); Practical (P)

Abstract: Cellular phones are now accepted as multifunctional devices. E-mail and Internet access are now the norm. On the other hand, **home networking** middleware and their application program interfaces (e.g. Jini, HAVi, UPnP) have received increasing attention and research on remote device management in **home networks** by cellular phones is on-going. There are a number of issues that arise from accessing **home networks** over cellular phones and getting data, such as small screens, lower processing power than PCs and less memory than PCs. Thus cellular phones cannot display pictures as PCs can and cannot run Jini applications. If a user in a hotel remotely plays a videocassette on a VCR located in a **home networked** environment, that audio and video cannot be displayed on his cellular phone. We propose the EXWeb platform to operate devices remotely by using a Web browser installed in a cellular phone. We use NTT Docomo's i-mode compatible cellular phone. To overcome the lower processing power of cellular phones, we implement an EXServer acting as a Jini client via a Java Servlet. The EXServer resides on a Web server. The Web browser on the cellular phone sends an BTTP message to the EXServer. The EXServer transforms it into a Jini message and sends the Jini message to a remote Jini device. The **user interface is integrated** into the Web browser and offers a uniform access environment to the **home network**. It provides an easy to use system that remotely operates devices and redirects output via a cellular phone. We describe our implemented prototype that remotely operates a VCR located in a **home networked** environment (12 refs.)

Subfile(s): B (Electrical & Electronic Engineering); C (Computing & Control Engineering)

Descriptors: application program interfaces; cellular radio; home computing; Internet; Java; online front-ends; telecommunication control; telecontrol; user interfaces; video tape recorders

Identifiers: EXWeb; remote device operation; **home network**; e-mail; Internet; **home networking** middleware; application program interfaces; Jini; HAVi; UPnP; Java Servlet; user interface; VCR; remote

device management; EXWeb platform; Web browser; NTT; Docomo i-mode compatible cellular phone;
EXServer

20/5/5 (Item 1 from file: 99)
DIALOG(R)File 99: Wilson Appl. Sci & Tech Abs
(c) 2009 The HW Wilson Co. All rights reserved.

1656047 **H.W. Wilson Record Number:** BAST95003447
A user interface for Home-Net

Leeb, Gunter ;
IEEE Transactions on Consumer Electronics v. 40 (Nov. '94) p. 897-902
Document Type: Feature Article **ISSN:** 0098-3063 **Language:** English **Record Status:** Corrected or revised record

Abstract: A **user interface** for **networks** in the **home** is presented. It is suggested that the lack of successful home automation products is due to the scarcity of research into the design of an **integrated user interface**. Whereas PCs are suitable control devices for long and complex dialogs with a system, the perspective is different in a household and therefore requires a different approach. The main advantage in combining a common remote control with a PC system in a user interface for home automation systems is that the user can operate all of the functionality of the system. Moreover, the user is not restricted to any location in the home. Ongoing research into user interface design would lead to improvements in the software. The addition of a speech synthesizer would increase the applications of this interface.

Descriptors: User interfaces (Computers); Home automation; Information display systems ;

25/5/5 (Item 5 from file: 8)
DIALOG(R)File 8: Ei Compendex(R)
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0014646029 **E.I. COMPENDEX No:** 2000435336764
Home networking: a telecom's perspective

Pastorino, Paolo; Lasagna, Giancarlo

Corresp. Author/Affil: Pastorino, Paolo: CSELT - Centro Studi E Laboratori, Telecomunicazioni, Torino, Italy

Conference Title: ICCE 2000 - International Conference on Consumer Electronics

Conference Location: Los Angeles, CA, USA **Conference Date:** 20000613-20000615

E.I. Conference No.: 57276

Digest of Technical Papers - IEEE International Conference on Consumer Electronics (Dig Tech Pap
IEEE Int Conf Consum Electron) 2000 (366-367)

Publication Date: 20001203

Publisher: IEEE

CODEN: DTPEE **ISSN:** 0747-668X

Document Type: Conference Paper; Conference Proceeding **Record Type:** Abstract

Treatment: A; (Applications); G; (General review)

Language: English **Summary Language:** English

This paper gives an overview of the **home networking** from a Telecom Operator and Service Provider's point of view. It gives an insight of the basic requirement of an integrated **home network** that can enable the delivery of advanced telecommunication services. Prerequisites of an enhanced public-to-private network interface (Residential Gateway) and results of a cooperative European project integrating heterogeneous **home networks** are reported.

Descriptors: Digital communication systems; Electronic equipment; Gateways (computer networks); Local area networks; Remote control; Sensors; Telecommunication services; **Telephone** lines; **Telephone** systems; **User interfaces**; *Internet

Identifiers: Home automation; **Home networking**; Service providers; Telecom operator

Classification Codes:

715.2 (Industrial Electronic Equipment)
718.1 (Telephone Systems & Equipment)
722.2 (Computer Peripheral Equipment)
723.5 (Computer Applications)
731.1 (Control Systems)
732.2 (Control Instrumentation)

25/5/11 (Item 2 from file: 2)
DIALOG(R)File 2: INSPEC
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07939983

Title: A user interface system for home appliances with virtual network computing

Author(s): Hasedawa, A.; Nakajima, T.

Author Affiliation: Dept. of Inf. & Comput. Sci., Waseda Univ., Tokyo, Japan

Inclusive Page Numbers: 229-34

Publisher: IEEE Comput. Soc, Los Alamitos, CA

Country of Publication: USA

Publication Date: 2001

Conference Title: Proceedings 21st International Conference on Distributed Computing Systems Workshops

Conference Date: 16-19 April 2001

Conference Location: Mesa, AZ, USA

Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Distributed Process

Editor(s): Takizawa, M.

ISBN: 0 7695 1080 9

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Item Identifier (DOI): [10.1109/CDCS.2001.918710](https://doi.org/10.1109/CDCS.2001.918710)

Number of Pages: xxiii+517

Language: English

Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: We propose a new **user interface** system for supporting advanced interaction devices such as PDAs and cellular **phone**. Our system allows applications to use traditional **user interface** systems although a user can navigate the applications through advanced interaction devices. We describe the architecture and the implementation of the prototype system, and show an example and some experiences (7 refs.)

Subfile(s): C (Computing & Control Engineering); E (Mechanical & Production Engineering)

Descriptors: domestic appliances; home automation; home computing; notebook computers; **user interfaces**

Identifiers: **user interface**; **home appliances**; virtual **network** computing; advanced interaction devices; PDA; cellular **phone**; prototype system; home computing

Classification Codes: C7830 (Home computing); C6180 (User interfaces); C5430 (Microcomputers); E3642C (Domestic appliance manufacturing)

INSPEC Update Issue: 2001-021

Copyright: 2001, IEE

❏ 1. IN architectures for implementing universal personal telecommunications

Lauer, G.S.;

Network, IEEE

Volume 8, Issue 2, March-April 1994 Page(s):6 - 16

Digital Object Identifier 10.1109/65.272936

Summary: This article focuses on architectures for providing universal personal telecommunications (UPT) service to wireline users. Although UPT services could be provided to users of wireless phones, thereby giving those users personal communication services.....

AbstractPlus | Full Text: PDF(3872 KB) IEEE JNL

Rights and Permissions

❏ 2. Home network infrastructure for handheld/wearable appliances

Corcoran, P.M.; Desbonnet, J.; Bigioi, P.; Lupu, I.;

Consumer Electronics, IEEE Transactions on

Volume 48, Issue 3, Aug. 2002 Page(s):490 - 495

Digital Object Identifier 10.1109/TCE.2002.1037033

Summary: A server infrastructure allows wireless wearable appliances or portable handsets to access consumer services offered via the server. Services are accessed via a universal home services interface (UHSI) which is shared by all access devices. The UHSI

AbstractPlus | Full Text: PDF(999 KB) IEEE JNL

Rights and Permissions

❏ 3. Wireless microservers

Hartwig, S.; Stromann, J.-P.; Resch, P.;

Pervasive Computing, IEEE

Volume 1, Issue 2, April-June 2002 Page(s):58 - 66

Digital Object Identifier 10.1109/MPRV.2002.1012338

Summary: With Bluetooth components getting smaller and cheaper, we might soon integrate wireless microservers into all kinds of electronic devices. The authors explore application of a general-purpose, pluggable microserver, based on wireless application prot.....

AbstractPlus | Full Text: PDF(813 KB) IEEE JNL

Rights and Permissions

❏ 4. What is embedded computing?

Wolf, W.;

Computer

Volume 35, Issue 1, Jan. 2002 Page(s):136 - 137

Digital Object Identifier 10.1109/2.976929

Summary: An embedded system is any computer that is a component in a larger system and that relies on its own microprocessor. Evolving from a craft to an engineering discipline over the past decade, embedded computing continues to mature. The purpose of this

AbstractPlus | Full Text: PDF(189 KB) IEEE JNL

Rights and Permissions

❑ 5. Trends In Wireless Technology

Benjamin, O.J.;
Sarnoff Symposium, 1995., IEEE Princeton Section
April 28,1995 Page(s):0_14 - 0_21
Summary: Not available.....

AbstractPlus | Full Text: PDF(496 KB) IEEE CNF
Rights and Permissions

❑ 6. A JINI framework for distributed service flexibility

Cotroneo, D.; Di Flora, C.; Russo, S.;
Parallel, Distributed and Network-based Processing, 2002. Proceedings. 10th Euromicro
Workshop on
9-11 Jan. 2002 Page(s):109 - 116
Digital Object Identifier 10.1109/EMPDP.2002.994244
Summary: Existing distributed middleware technologies and Enterprise Application
frameworks lack in support to service flexibility from both the developer's and user's point of
view. In this paper we propose a JINI-based framework, namely PRINCEPS (Pluggable

AbstractPlus | Full Text: PDF(609 KB) IEEE CNF
Rights and Permissions

❑ 7. Requirements for maintaining Web access for hearing-impaired individuals

Berry, D.M.;
Web Site Evolution, 2001. Proceedings. 3rd International Workshop on
10 Nov. 2001 Page(s):33 - 41
Summary: Current textual and graphical interfaces to computing, including the Web, are a
dream come true for the hearing impaired. However, improved technology for voice and audio
interfaces threaten to end this dream. Requirements are identified for continue.....

AbstractPlus | Full Text: PDF(277 KB) IEEE CNF
Rights and Permissions

❑ 8. Moving DSP into new curricular areas

DeBrunner, L.S.; Radhakrishnan, S.; DeBrunner, V.E.;
Signals, Systems and Computers, 1996. 1996 Conference Record of the Thirtieth Asilomar
Conference on
Volume 1, 3-6 Nov. 1996 Page(s):216 - 220 vol.1
Digital Object Identifier 10.1109/ACSSC.1996.600860
Summary: The Telecomputing Laboratory, established under the NSF Instrumentation and
Laboratory Improvement program, was designed as a dual-use facility to serve students in both
digital signal processing (DSP) classes and an innovative "telecomputing&r.....

AbstractPlus | Full Text: PDF(484 KB) IEEE CNF
Rights and Permissions

❑ 9. Retargeting Web pages to other computing platforms with VAQUITA

Bouillon, L.; Vanderdonckt, J.;
Reverse Engineering, 2002. Proceedings. Ninth Working Conference on
29 Oct.-1 Nov. 2002 Page(s):339 - 348
Digital Object Identifier 10.1109/WCRE.2002.1173091

Summary: Mobile platforms are becoming an increasingly important alternative for accessing Web pages. Many Web pages are not suited to these platforms and need to be adapted, or rewritten from scratch. Adaptation can be carried out in two ways: either by dyna.....

[AbstractPlus](#) | Full Text: [PDF\(580 KB\)](#) IEEE CNF
[Rights and Permissions](#)

❑ **10. Wireless home network infrastructure for wearable appliances**

Corcoran, P.M.; Desbonnet, J.;
[Consumer Electronics, 2002. ICCE. 2002 Digest of Technical Papers. International Conference on](#)

18-20 June 2002 Page(s):104 - 105

Digital Object Identifier 10.1109/ICCE.2002.1013946

Summary: A server infrastructure allows wireless wearable appliances or portable handsets to access consumer services offered via the server. Services are accessed via a universal home services interface (UHSI) which is shared by all access devices. The UHSI

[AbstractPlus](#) | Full Text: [PDF\(296 KB\)](#) IEEE CNF
[Rights and Permissions](#)

❑ **11. Infoparco: an experience in designing an information system accessible through WEB and WAP interfaces**

Colafigli, C.; Inverardi, P.; Matricciani, R.;
[System Sciences, 2001. Proceedings of the 34th Annual Hawaii International Conference on](#)
Jan 3-6 2001 Page(s):3510 - 3515

Summary: Not available.....

[AbstractPlus](#) | Full Text: [PDF\(160 KB\)](#) IEEE CNF
[Rights and Permissions](#)

❑ **12. Supporting problem based learning by a collaborative virtual environment: a cooperative hypermedia approach**

Miao, Y.; Haake, J.M.;
[System Sciences, 2001. Proceedings of the 34th Annual Hawaii International Conference on](#)
Jan 3-6 2001 Page(s):10 pp.

Summary: Problem based learning (PBL) promotes engagement in meaningful learning and cooperation among students. When applying PBL in distributed groups distance has to be bridged by means of technology. Collaborative virtual environments (CVE) can help to ov.....

[AbstractPlus](#) | Full Text: [PDF\(200 KB\)](#) IEEE CNF
[Rights and Permissions](#)

❑ **13. Qualitative vs. quantitative: myths of the culture and practical experience**

Thomas, J.C.;
[System Sciences, 2001. Proceedings of the 34th Annual Hawaii International Conference on](#)
Jan 3-6 2001 Page(s):10 pp.

Summary: In the "Western" cultures of business and science, there is an interesting and arguably irrational belief that quantitative measures are in all cases superior to qualitative measures. The consequences of this belief are more than an epistemological c.....

[AbstractPlus](#) | Full Text: [PDF\(140 KB\)](#) IEEE CNF
[Rights and Permissions](#)

❑ 14. The intelligent customer constructing system

Chang, Y.C.; Chen, J.B.; Hu, C.S.; Wu, R.; Guo, M.S.; Sun, S.W.; Lee, M.F.; Shih, M.Y.; Ho, T.H.; Yen, C.C.;

Intelligent Network Workshop, 2001 IEEE

6-9 May 2001 Page(s):212 - 215

Digital Object Identifier 10.1109/INW.2001.915315

Summary: This paper depicts the intelligent customer constructing system (INCCS) that is designed to meet the request of the Long Distance and Mobile Subgroup of Chunghwa Telecom Company (CHT-LDM) by the intelligent network project of Chunghwa Telecommunicati.....

AbstractPlus | Full Text: PDF(252 KB) IEEE CNF

Rights and Permissions

❑ 15. The device management service

Do van Thanh, D.; Jonvik, T.; Vanem, E.; Dao van Tran; Audestad, J.A.;

Intelligent Network Workshop, 2001 IEEE

6-9 May 2001 Page(s):199 - 211

Digital Object Identifier 10.1109/INW.2001.915314

Summary: This paper presents a novel service, which is aiming at assisting the end-user in the management of his electronic devices. Nowadays the user is confronted with several different communications devices as, for example, a plain-old telephone, a mobile.....

AbstractPlus | Full Text: PDF(376 KB) IEEE CNF

Rights and Permissions

❑ 16. CAMP: a context-aware mobile portal

Mandato, D.; Kovacs, E.; Hohl, F.; Amir-Alikhani, H.;

Service Portability and Virtual Customer Environments, 2000 IEEE

1 Dec. 2000 Page(s):52 - 61

Digital Object Identifier 10.1109/SPVCE.2000.934161

Summary: Context-awareness enhancing mobile computing is expected to be one of the major ingredients of the future wireless services based on IP technologies. This paper proposes the concept of a modular mobile Internet portal enhanced with context-awareness

AbstractPlus | Full Text: PDF(1204 KB) IEEE CNF

Rights and Permissions

❑ 17. Integrating a digital camera in the home environment: architecture and prototype

Bennani, N.;

Multimedia Software Engineering, 2000. Proceedings. International Symposium on

11-13 Dec. 2000 Page(s):67 - 70

Digital Object Identifier 10.1109/MMSE.2000.897193

Summary: Digital photography is gaining parts of the photography market and is tending to gradually replace all silver-based photography. The combination of digital cameras and computer technologies have allowed the provision of new services, such as the rapi.....

AbstractPlus | Full Text: PDF(424 KB) IEEE CNF

Rights and Permissions

❑ 18. Secure smart homes using Jini and UIUC SESAME

Al-Muhtadi, J.; Anand, M.; Mickunas, M.D.; Campbell, R.;
Computer Security Applications, 2000. ACSAC '00. 16th Annual Conference
11-15 Dec. 2000 Page(s):77 - 85

Digital Object Identifier 10.1109/ACSAC.2000.898860

Summary: We discuss our approach to constructing a dynamic and secure smart home environment and tackling the challenges associated with it. We envision a smart home as an active environment populated with smart, dynamically configurable consumer devices capa....

[AbstractPlus](#) | Full Text: [PDF\(1176 KB\)](#) IEEE CNF
[Rights and Permissions](#)

❑ 19. Value of the Internet in emergency response

Newsom, D.E.; Herzenberg, C.L.; Swieltik, C.E.;
Professional Communication Conference, 1999. IPCC 99. Communication Jazz: Improvising the New International Communication Culture. Proceedings. 1999 IEEE International
7-10 Sept. 1999 Page(s):35 - 40

Digital Object Identifier 10.1109/IPCC.1999.799098

Summary: Can the Internet be of value in emergency response? The answer is yes, judging by its use in the Kobe earthquake in Japan in 1995, ice storms in the United States and Canada in 1998, and other disasters. Current and future areas of application are nu....

[AbstractPlus](#) | Full Text: [PDF\(252 KB\)](#) IEEE CNF
[Rights and Permissions](#)

❑ 20. Network management applications for wireless local loop

Vucetic, J.; Kline, P.;
Electrotechnical Conference, 1998. MELECON 98., 9th Mediterranean
Volume 2, 18-20 May 1998 Page(s):787 - 791 vol.2
Digital Object Identifier 10.1109/MELCON.1998.699324

Summary: In the last several years, wireless local loop (WLL) has emerged as an attractive alternative to wireline access to telephone services. This paper focuses on the wireless local loop market, technology, management and operations. WLL has applications

[AbstractPlus](#) | Full Text: [PDF\(548 KB\)](#) IEEE CNF
[Rights and Permissions](#)

❑ 21. OMS Connect: supporting multidatabase and mobile working through database connectivity

Norrie, M.C.; Palinginis, A.; Wurgler, A.;
Cooperative Information Systems, 1998. Proceedings. 3rd IFCIS International Conference on
20-22 Aug. 1998 Page(s):232 - 240
Digital Object Identifier 10.1109/COOPIS.1998.706201

Summary: The authors present a general model of database connectivity for the controlled sharing and migration of information across databases as supported in the object-oriented database management system OMS Connect. A database may connect to one or more ot....

[AbstractPlus](#) | Full Text: [PDF\(292 KB\)](#) IEEE CNF
[Rights and Permissions](#)

❑ 22. A TINA trial: interworking experience with the legacy telephone system

Eckardt, T.; Guy, D.; Kielhofer, P.; Pervaskine, V.; Akram, A.;

Global Convergence of Telecommunications and Distributed Object Computing, 1997. Proceedings. TINA 97

17-20 Nov 1997 Page(s):70 - 77

Digital Object Identifier 10.1109/TINA.1997.660711

Summary: The paper describes a large scale experimental implementation of multi operator services on a multi retailer TINA platform. Of the set of services that are being developed, the call completion service is particularly highlighted, showing a possible a.....

[AbstractPlus](#) | Full Text: [PDF\(76 KB\)](#) IEEE CNF

[Rights and Permissions](#)

23. The role of the PC in the connected home

Kahn, K.C.;

Community Networking Proceedings, 1997 Fourth International Workshop on

11-12 Sept. 1997 Page(s):13 - 18

Digital Object Identifier 10.1109/CN.1997.629950

Summary: Over the next few years homes will become increasingly “connected”, both internally and to the outside world. We expect to see a variety of broadband access networks appear to deliver digital content to the home, both Internet based and b.....

[AbstractPlus](#) | Full Text: [PDF\(548 KB\)](#) IEEE CNF

[Rights and Permissions](#)

24. The-internal-corporate-cyber-culture

Maltass, E.N.;

Southcon/96. Conference Record

25-27 June 1996 Page(s):142 - 149

Digital Object Identifier 10.1109/SOUTHC.1996.535057

Summary: By using protocols like TCP/IP, FTP and Telnet, and then taking all that work a step further to create Web browsers and GUIs or “graphical user interfaces” which run on any platform and yet are simple to use, we actually created a dream c.....

[AbstractPlus](#) | Full Text: [PDF\(564 KB\)](#) IEEE CNF

[Rights and Permissions](#)

25. An interoperable PACS and DCS1900 subscriber unit radio architecture

Malkemes, R.; Lukander, P.; Harrison, P.;

Personal, Indoor and Mobile Radio Communications, 1995. PIMRC'95. 'Wireless: Merging onto the Information Superhighway'., Sixth IEEE International Symposium on

Volume 3, 27-29 Sept. 1995 Page(s):1149

Digital Object Identifier 10.1109/PIMRC.1995.477327

Summary: This paper presents a basic framework for the consideration of an integrated PACS and DCS1900 handset architecture. The DCS1900 is a GSM based high-tier system intended for use in the 1.9 GHz frequency allocation which can provide vehicular wireless

[AbstractPlus](#) | Full Text: [PDF\(532 KB\)](#) IEEE CNF

[Rights and Permissions](#)

26. Network evolution to support personal communications services

Hemmady, J.G.; Maymir, J.R.; Meyers, D.J.;

Global Telecommunications Conference, 1994. GLOBECOM '94. 'Communications: The Global Bridge'., IEEE

Volume 2, 28 Nov.-2 Dec. 1994 Page(s):710 - 714 vol.2

Digital Object Identifier 10.1109/GLOCOM.1994.512689

Summary: Personal communications services (PCS) are a set of capabilities that allow terminal mobility, personal mobility, and service mobility. The PCS concept is part of such initiatives as universal personal telecommunications (UPT) promoted by standards b.....

[AbstractPlus](#) | Full Text: [PDF\(500 KB\)](#) IEEE CNF
[Rights and Permissions](#)

27. An application of IN technology for 800 MHz PCS

Ghosal, A.;

[Universal Personal Communications, 1994, Record.. 1994 Third Annual International Conference on](#)

27 Sept.-1 Oct. 1994 Page(s):624 - 628

Digital Object Identifier 10.1109/ICUPC.1994.383083

Summary: GTE Telecommunication Services Inc. (GTE TSI) has developed an innovative platform that provides cellular carriers with the ability to deploy IN based services without costly upgrades to their non-IN mobile switches. Unlike other similar offerings, t.....

[AbstractPlus](#) | Full Text: [PDF\(312 KB\)](#) IEEE CNF
[Rights and Permissions](#)

28. Object-oriented real-time distributed simulation of cellular phone swithcing system

Chang, C.K.; Xin Shu; Chan, G.; Aoyama, M.;

[Circuits and Systems, 1993., ISCAS '93, 1993 IEEE International Symposium on](#)
3-6 May 1993 Page(s):2232 - 2235

Summary: Not available.....

[AbstractPlus](#) | Full Text: [PDF\(438 KB\)](#) IEEE CNF
[Rights and Permissions](#)

29. Modelling the real world by Multi-World data model

Duong, T.; Hiller, J.;

[Intelligent and Cooperative Information Systems, 1993., Proceedings of International Conference on](#)

12-14 May 1993 Page(s):279 - 290

Digital Object Identifier 10.1109/ICICIS.1993.291761

Summary: This paper discusses various philosophical issues that relate to database modelling. In particular, we argue that existing paradigms fail in a multi-database environment, and hence it needs to be supplanted by one that is more flexible and dynamic. B.....

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30. An object-oriented real-time distributed simulation of cellular phone switching system

Chang, C.K.; Shu, X.; Chan, G.; Aoyama, M.;

[Circuits and Systems, 1993., ISCAS '93, 1993 IEEE International Symposium on](#)
3-6 May 1993 Page(s):2232 - 2235 vol.4

Digital Object Identifier 10.1109/ISCAS.1993.394204

Summary: The cellular phone network is a distributed system which is composed of three kinds of subsystems, a mobile phone unit, a base site station and a MSC (mobile switching center). A class of cellular phone switching systems, was chosen as the system to

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31. ProgREDSI: a communications manager

Hirsch, C.; Mora, E.; Marcelin, R.; Rojas, L.; Espinosa, G.;
[Communications, 1992. ICC 92. Conference record, SUPERCOMM/ICC '92, Discovering a New World of Communications. IEEE International Conference on 14-18 June 1992 Page\(s\):1898 - 1902 vol.4](#)
Digital Object Identifier 10.1109/ICC.1992.267942

Summary: The communications manager ProgREDSI, an integration of a phone, an agenda, an answering machine, and a phone directory that adds integrated services digital network (ISDN) communications capabilities to any personal computer is described. ProgREDSI

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[Rights and Permissions](#)



32. Systems issues in wireless communications

Stanley, R.A.;
[Wireless Communications, 1992. Conference Proceedings., 1992 IEEE International Conference on Selected Topics in 25-26 June 1992 Page\(s\):423 - 424](#)
Digital Object Identifier 10.1109/ICWC.1992.200799

Summary: The development of technology to permit nearly ubiquitous wireless personal communications is proceeding rapidly. However, most activity focuses on the technology, and not on how it will be integrated into the existing telecommunications infrastru.....

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33. A multipurpose cordless phone for use in both private and public systems

Lipoff, S.;
[Consumer Electronics, 1989. Digest of Technical Papers. ICCE., IEEE 1989 International Conference on 6-9 June 1989 Page\(s\):28 - 29](#)
Digital Object Identifier 10.1109/ICCE.1989.69018

Summary: The high cost of cellular phone purchase and service still prices them out of reach of many consumers. However, the marriage of cordless phone technology to radio pagers offers the promise of a low cost device with much of the functional capability o.....

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